

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,035,628 B2
APPLICATION NO. : 10/039324
DATED : April 25, 2006
INVENTOR(S) : Rindsberg et al.

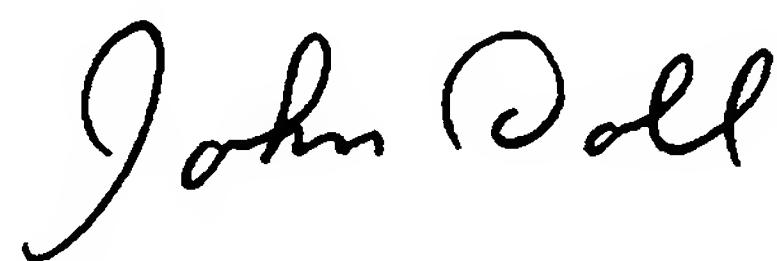
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Please replace the old existing drawings with the new illustrating drawings that are attached here.

Signed and Sealed this

Twenty-sixth Day of May, 2009



JOHN DOLL
Acting Director of the United States Patent and Trademark Office

(12) United States Patent
Rindsberg et al.(10) Patent No.: US 7,035,628 B2
(45) Date of Patent: Apr. 25, 2006

(54) METHOD AND APPARATUS FOR CONTENT BLOCKING

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(73) Assignee: XM Satellite Radio, Inc., Washington, DC (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 480 days.

(21) Appl. No.: 10/019,324

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(51) Int. CL
H04M 3/00 (2006.01)

(52) U.S. Cl. 455/418; 455/419; 455/420; 348/722; 348/723; 375/221

(58) Field of Classification Search 455/419, 455/418, 420, 45, 186.1, 507, 517, 524; 358/908; 348/722, 723, 732; 375/221

See application file for complete search history.

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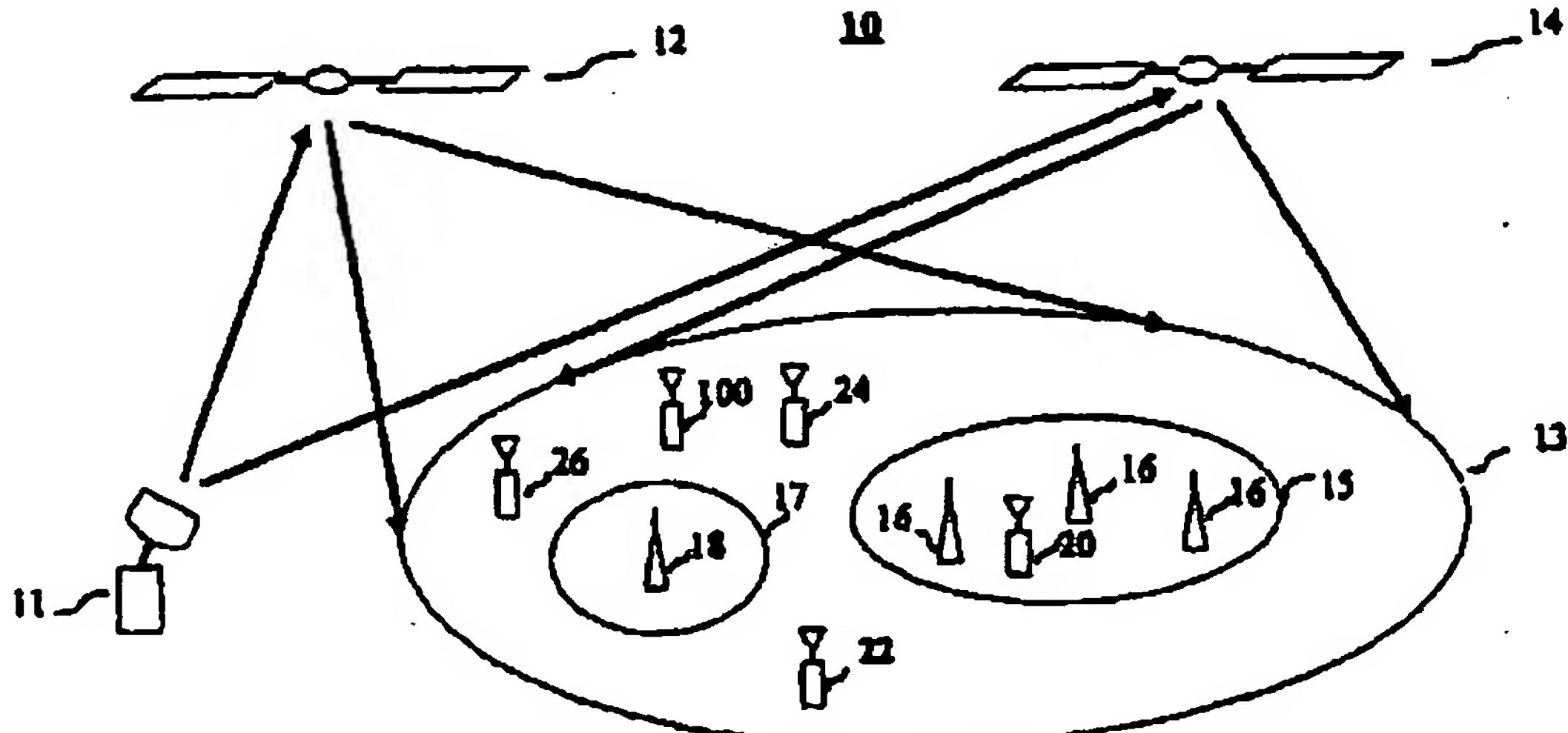
Primary Examiner—Danh Cong Le

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(57) ABSTRACT

A method of disabling at least a portion of one of a plurality of channels in a digital audio radio system includes the steps of receiving (702) a digitally encoded bit stream over-the-air on the plurality of channels and decoding (704) a selected channel among the plurality of channels. The method further comprises the steps of selectively tagging (706) an undesired type of content on the selected channel, analyzing (708) for an indication of content of the undesired type among the plurality of channels, and selectively disabling (710) at least the portion of the selected channel containing the undesired type of content.

14 Claims, 5 Drawing Sheets



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FIG. 1

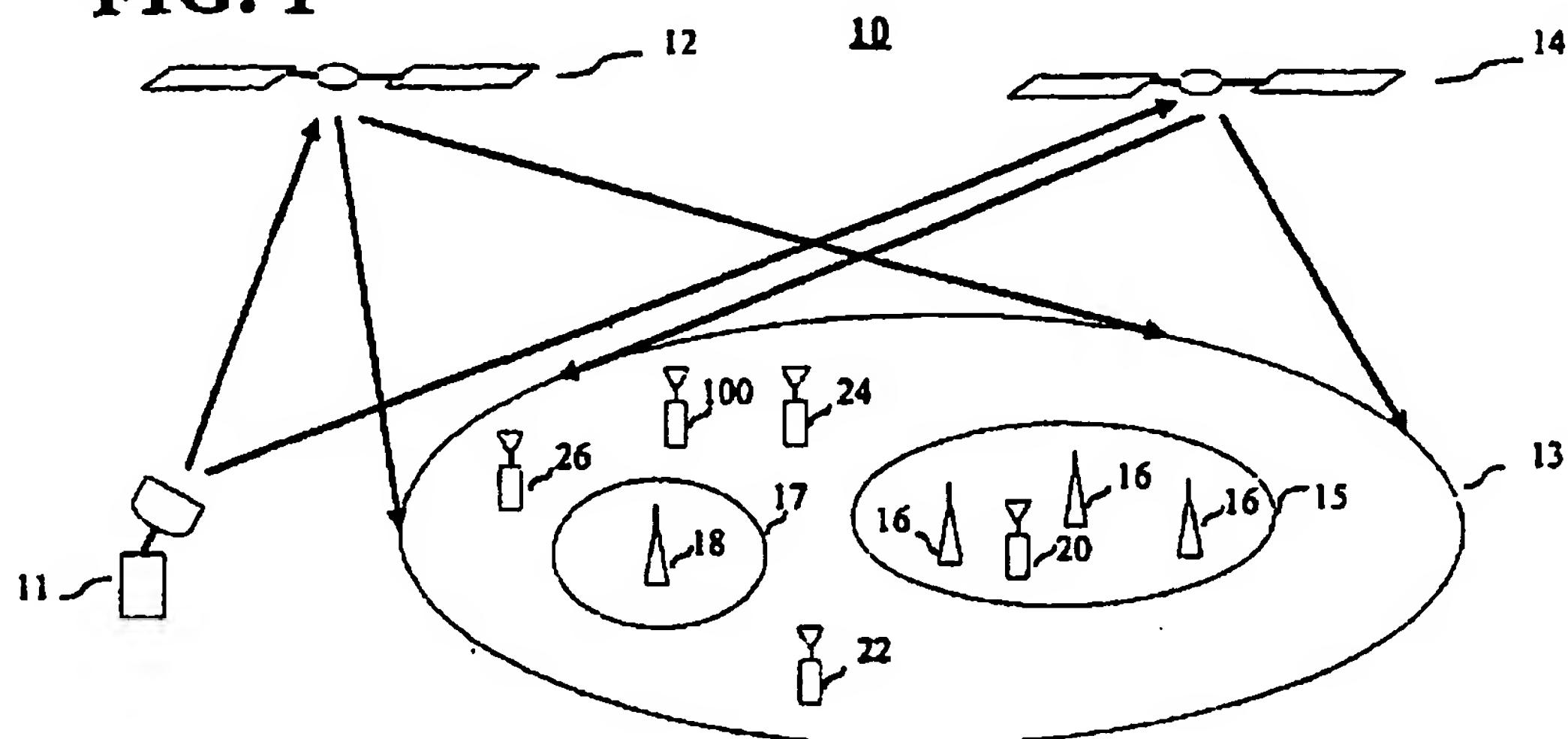


FIG. 2

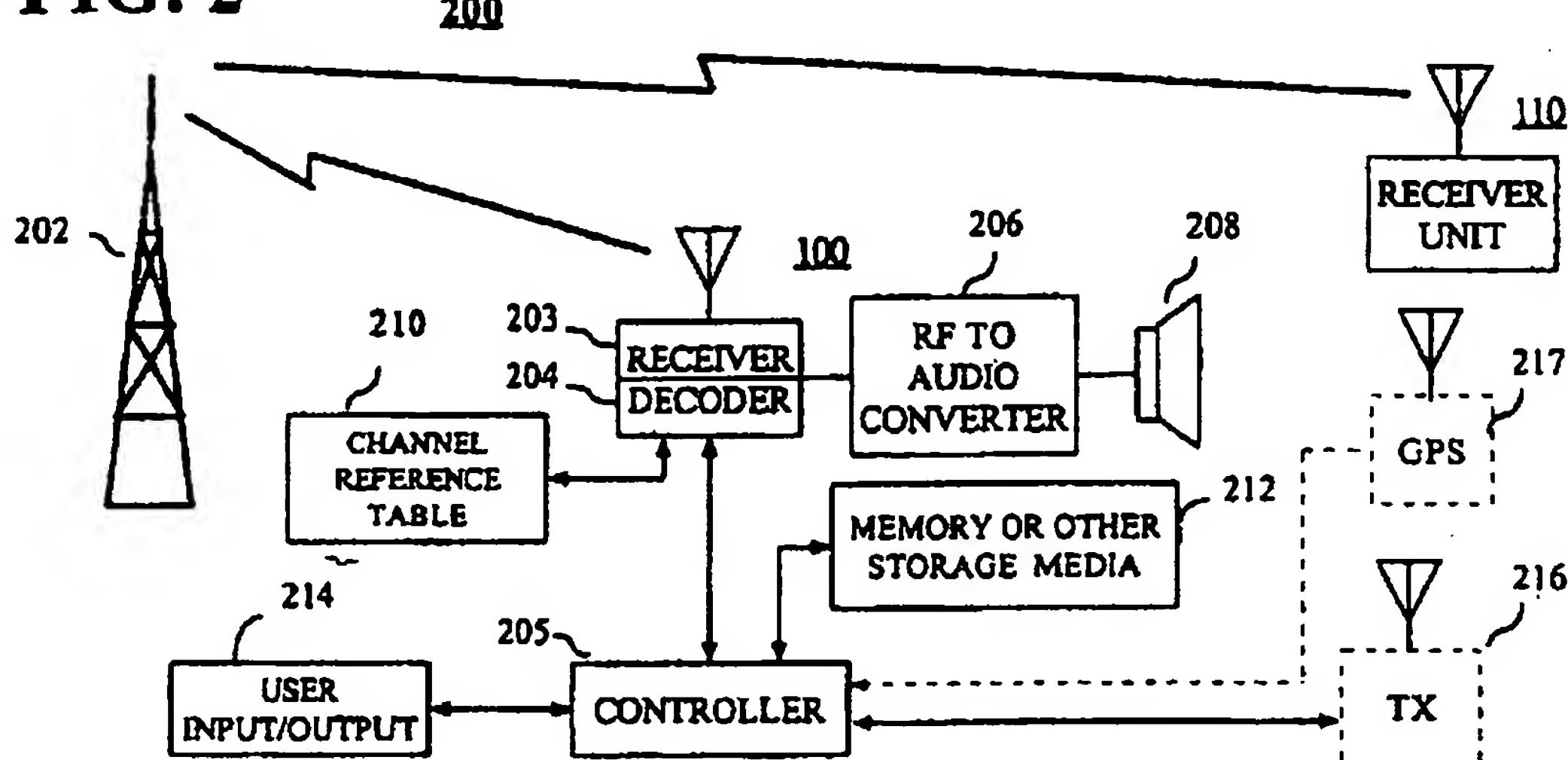
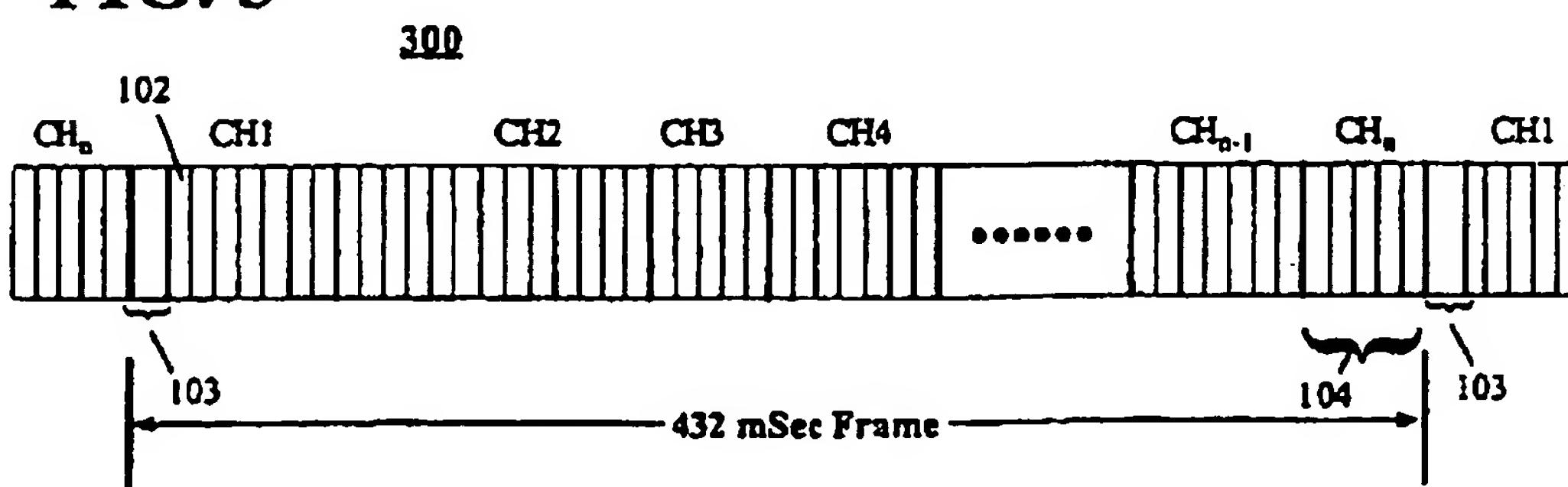


FIG. 3

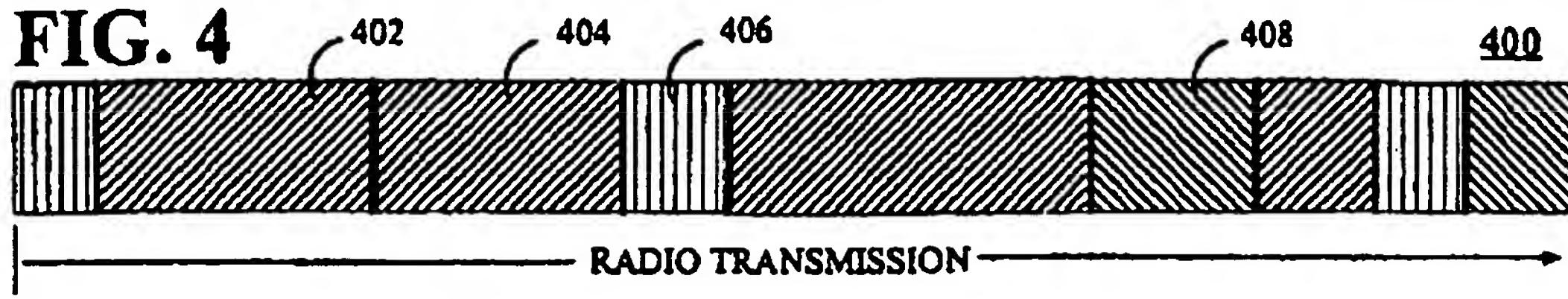
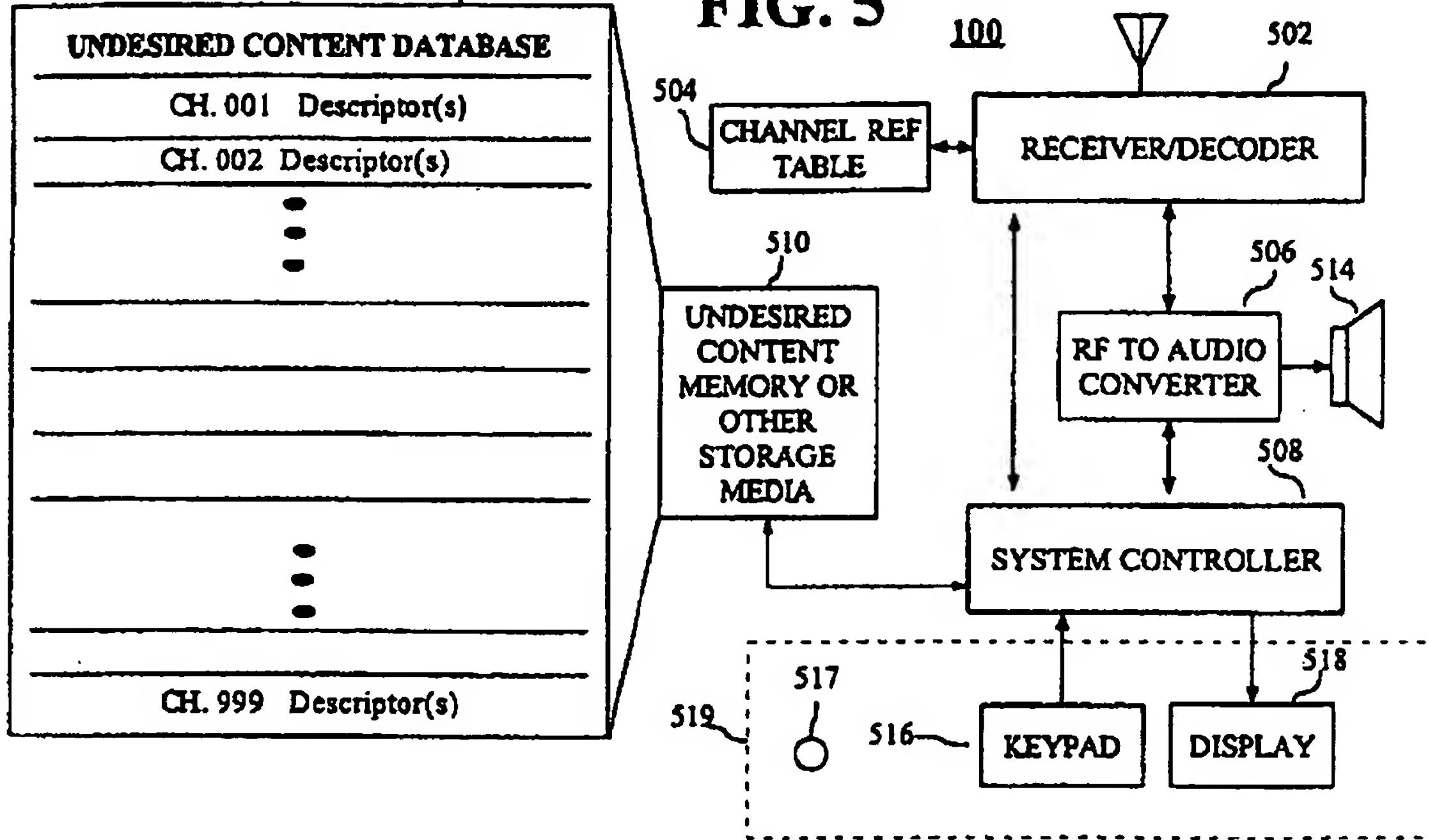


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FIG. 4**FIG. 5****FIG. 6**

504

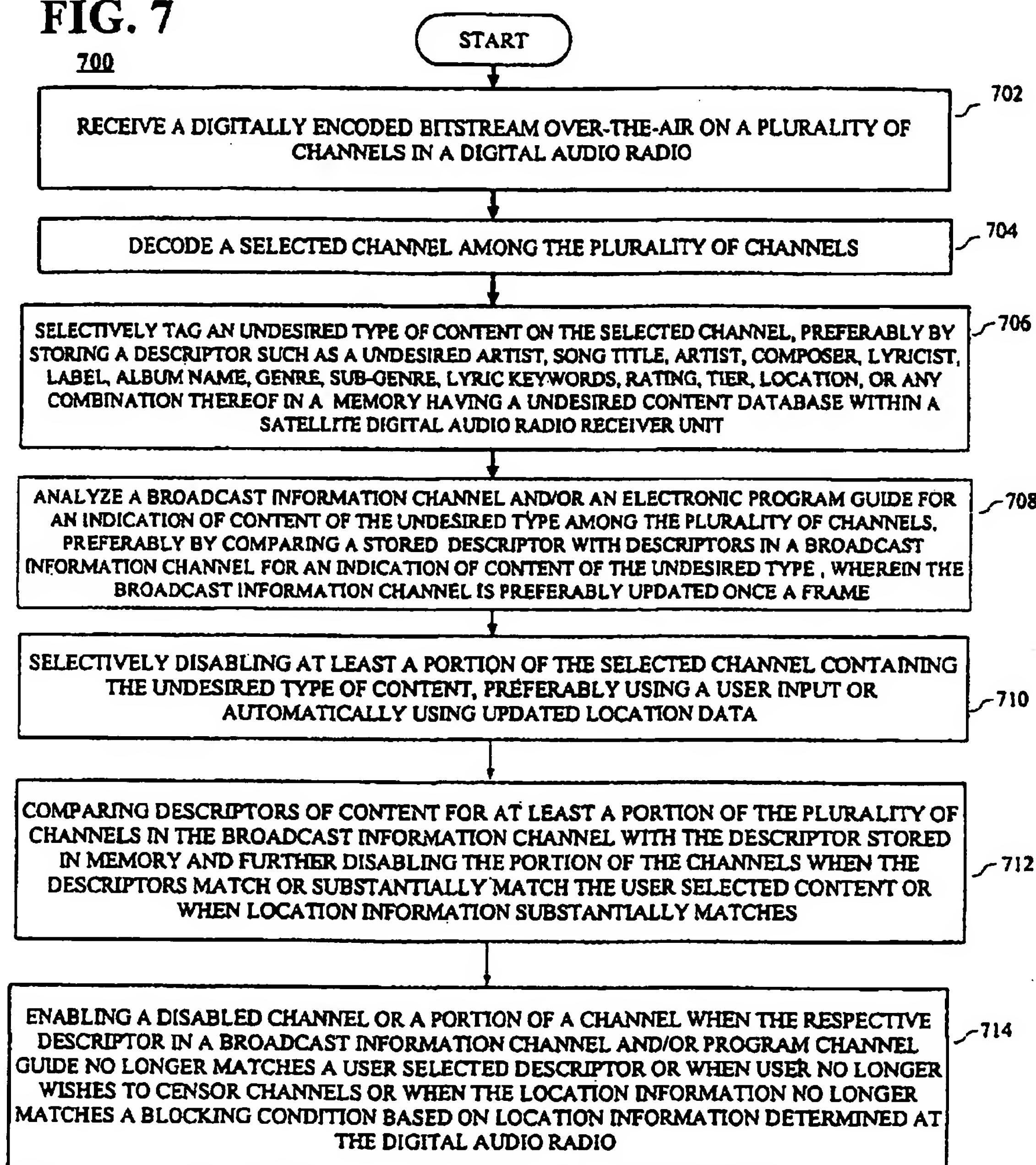
CHANNEL	ARTIST	ALBUM	TITLE	RATING	TIER	GUEST	HOST	LOCATION
1	GERSHWIN		RHAPSODY	A	PREMIUM			EAST
2			TALKSHOW	B	BASIC	RUSH	BUSH	ALL SOUTH
3	OUTKAST		STANKONIA	D-	PREMIUM			S. Florida
4	BCH BOYS			ALL AUDS	BASIC			S. Cal
5	OLD DIRTY			ADULTS ONLY	BASIC			Don't Care
6	RAFFI		BELUGA	KIDS ONLY	BASIC			Don't Care
7	CREED		HUMANICIA	B	BASIC			Don't Care
8			TALKSHOW	B	BASIC	KING	OPRAH	Don't Care
9			MIA v. DC		PREMIUM	NFL		Not S. Fla.
:								
:								
N	MADONNA	MUSIC	C	BASIC				

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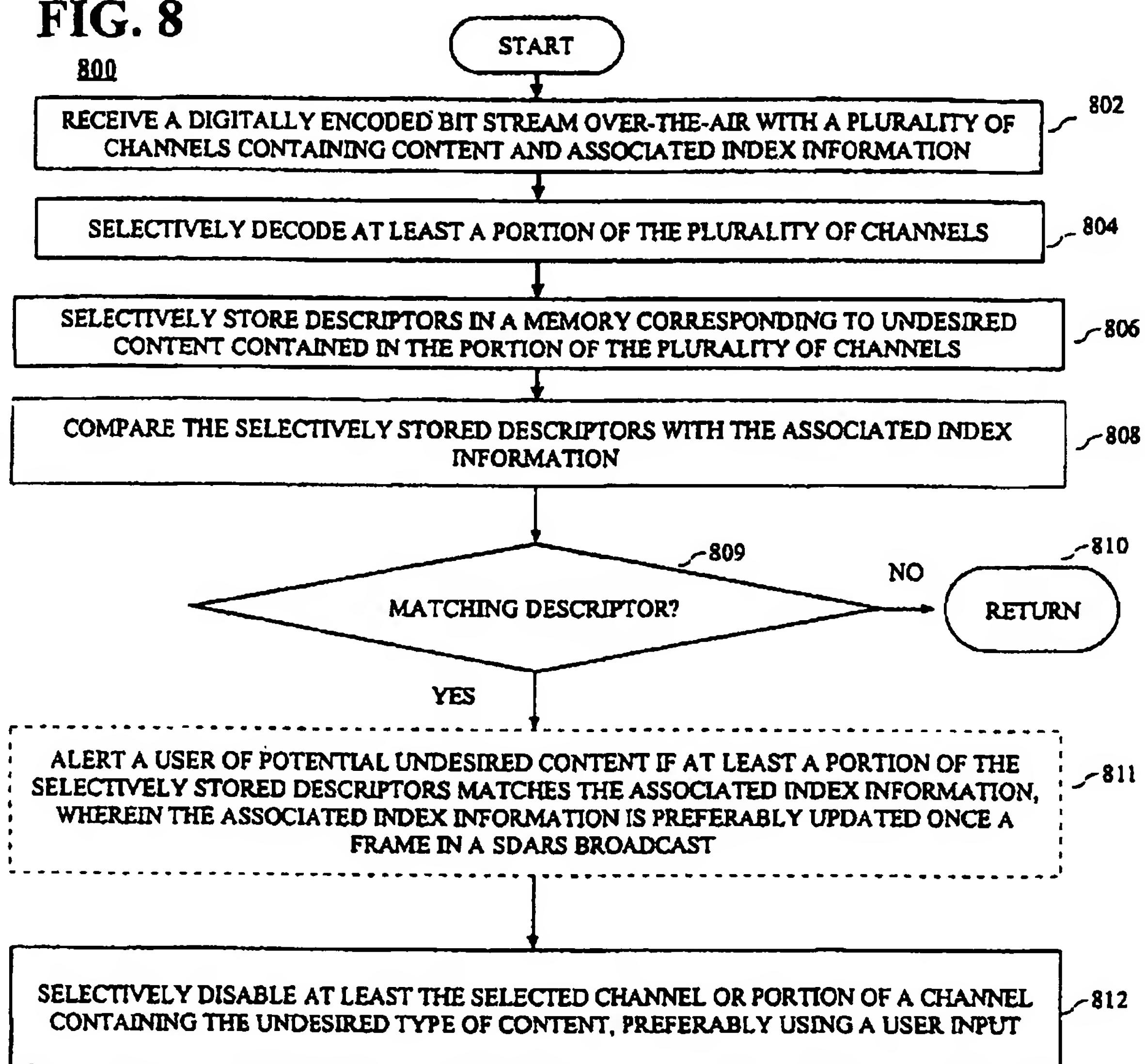
FIG. 7

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FIG. 8

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FIG. 9900

START

RECEIVE A DIGITALLY ENCODED BIT STREAM OVER-THE-AIR WITH A PLURALITY OF CHANNELS
CONTAINING CONTENT AND ASSOCIATED INDEX INFORMATION AT A DIGITAL AUDIO RADIO

902

SELECTIVELY DECODE AT LEAST A PORTION OF THE PLURALITY OF CHANNELS

904

SELECTIVELY CHOOSE AT LEAST AN UNDESIRED CHANNEL CONTAINING UNDESIRED
CONTENT AMONG THE PLURALITY OF CHANNELS

906

COMMUNICATE AN INDICIA OF THE UNDESIRED CHANNEL TO A CENTRAL STATION VIA A
COMPUTER NETWORK OR VIA A REVERSE CHANNEL IN THE DIGITAL AUDIO RADIO

908

RECEIVE A SIGNAL OVER-THE-AIR TRANSMITTED FROM THE CENTRAL STATION TO THE
DIGITAL AUDIO RADIO THAT DISABLES THE UNDESIRED CHANNEL

910

RE-ENABLE THE UNDESIRED CHANNEL PREFERABLY USING EITHER THE COMPUTER
NETWORK OR THE REVERSE CHANNEL

912